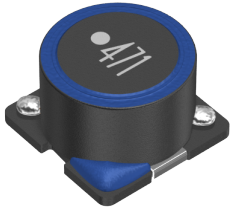


|                          |                                                                                                                                                                                                                                                                                                                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Status           | EOL Announced                                                                                                                                                                                                                                                                                                     |
|                          | Recommended Alternate Part No. : <a href="#">SPM10054T-330M-HZR</a> (Interchangeability is not guaranteed.)                                                                                                                                                                                                       |
|                          | Discontinue Issue Date : May.14, 2024                                                                                                                                                                                                                                                                             |
|                          | Last Purchase Order Date : Mar.31, 2026                                                                                                                                                                                                                                                                           |
|                          | Last Shipment Date : Dec.31, 2026                                                                                                                                                                                                                                                                                 |
| Applications             | Commercial Grade                                                                                                                                                                                                                                                                                                  |
| Feature                  | Wire WoundWire Wound                                                                                                                                                                                                                                                                                              |
|                          | ShieldMagnetic Shield                                                                                                                                                                                                                                                                                             |
|                          | Ferrite CoreFerrite Core                                                                                                                                                                                                                                                                                          |
| Series   Type            | SLF                                                                                                                                                                                                                                                                                                               |
| Brand                    | TDK                                                                                                                                                                                                                                                                                                               |
| Environmental Compliance | <div><div>RoHS</div><div>REACH</div><div>Lead Free</div></div> |



| Size                         |                 |
|------------------------------|-----------------|
| Length(L)                    | 12.50mm ±0.30mm |
| Width(W)                     | 12.50mm ±0.30mm |
| Thickness   Height           | 7.50mm ±0.35mm  |
| Recommended Land Pattern (A) | 2.60mm Nom.     |
| Recommended Land Pattern (B) | 8.50mm Nom.     |
| Recommended Land Pattern (C) | 3.20mm Nom.     |

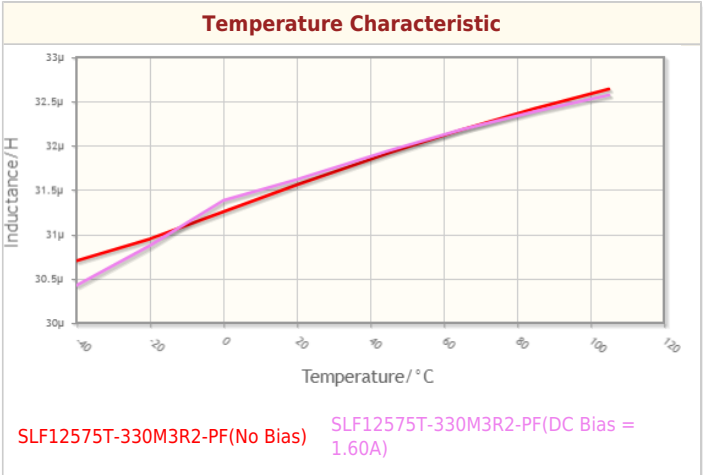
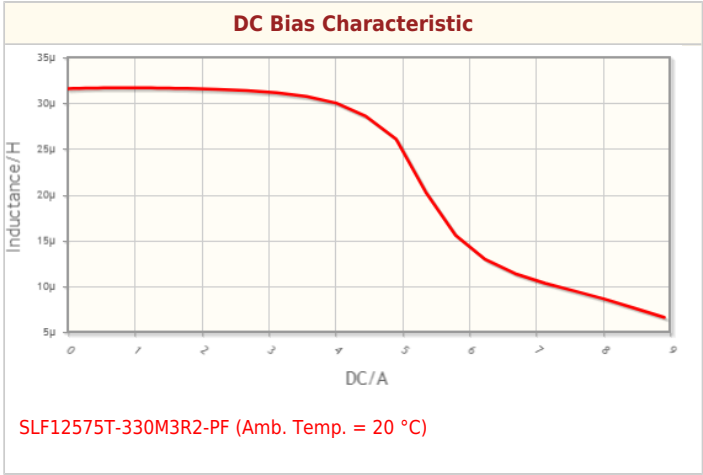
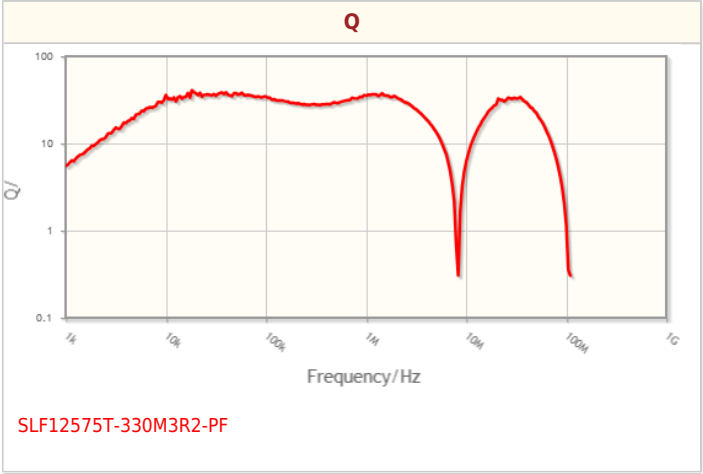
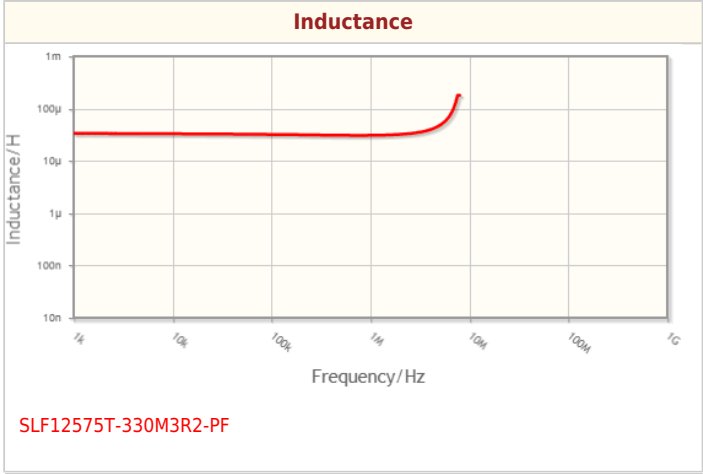
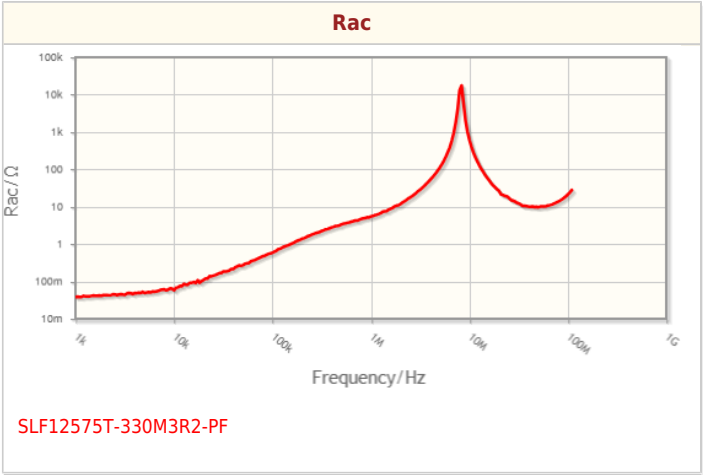
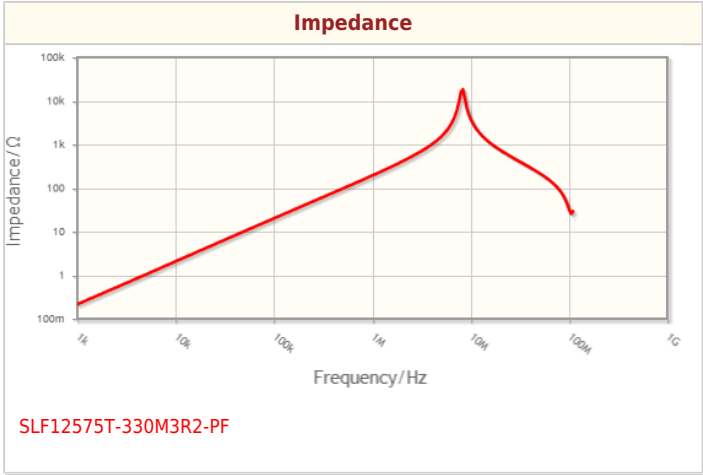
| Electrical Characteristics              |                   |
|-----------------------------------------|-------------------|
| Inductance                              | 33μH ±20% at 1kHz |
| Rated Current (L Change) [Typ.]         |                   |
| Rated Current (L Change) [Max.]         | 3.2A (10% Down)   |
| Rated Current (Temperature Rise) [Typ.] | 3.4A (40°C Rise)  |
| Rated Current (Temperature Rise) [Max.] |                   |
| DC Resistance [Typ.]                    | 39.5mΩ            |
| DC Resistance [Max.]                    | 47.4mΩ            |
| Rated Voltage [Max.]                    |                   |
| Self Resonant Frequency [Min.]          |                   |
| Self Resonant Frequency [Typ.]          |                   |
| Q [Min.]                                |                   |
| Q [Typ.]                                |                   |

| Other                 |                                          |
|-----------------------|------------------------------------------|
| Operating Temp. Range | -40 to 105°C (Including Self-Temp. Rise) |

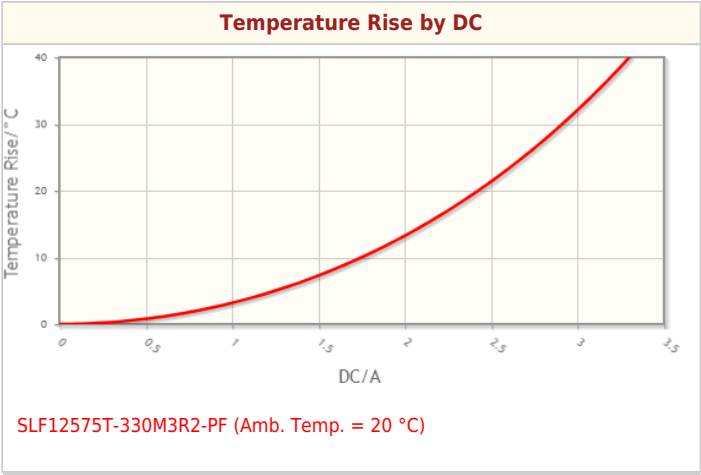
! Images are for reference only and show exemplary products.  
! This PDF document was created based on the data listed on the TDK Corporation website.  
! All specifications are subject to change without notice.

|                  |                                       |
|------------------|---------------------------------------|
| Soldering Method | Reflow<br>Iron Soldering              |
| AEC-Q200         | NO                                    |
| Packing          | Embossed (Plastic)Taping [330mm Reel] |
| Package Quantity | 500pcs                                |
| Weight           | 3.6g                                  |

Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



# Associated Images

